

CURRICULUM VITAE

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Research Interests: The ecology, epidemiology, and prevention of vector-borne disease

Education:

University	Major	Dates Attended	Degree
Yale University	Epidemiology	1981-1983	Post-doc.
Pennsylvania State Univ.	Ecology	1977-1981	Ph.D.
Bowling Green State Univ.	Biology	1974-1977	M.S.
Bowling Green State Univ.	Business	1969-1973	B.S.

Positions held:

1996 - present Professor of Entomology & Director of the Mosquito Research Laboratory,
Department of Entomology, University of California at Davis
2006-2008 Vice Chair, Department of Entomology, University of California at Davis
2001 - 2003 Director, UC Davis Arbovirus Research Unit, University of California at Davis
1996-1999 Acting Director of the UC Davis Center for Vector-Borne Disease Research,
University of California at Davis
1993-1996 Professor of Medical and Veterinary Entomology, Department of Entomology,
University of Maryland
1988-1993 Associate Professor of Medical and Veterinary Entomology, Department of
Entomology, University of Maryland
1983-1988 Assistant Professor of Medical and Veterinary Entomology, Department of
Entomology, University of Maryland
1981-1983 NIH Post-doctoral Fellow in Epidemiology, Yale Arbovirus Research Unit,
Department of Epidemiology and Public Health, Yale University School of
Medicine
1979-1981 Research Assistant, Department of Veterinary Science, The Pennsylvania State

University
1977-1979 Research Assistant, Institute for Research on Land and Water Resources, The Pennsylvania State University
1975-1977 Graduate Teaching Assistant, Department of Biological Sciences, Bowling Green State University

Publications:

- 1) Scott, T.W. 1979. Growth and age determination of nestling Brown-headed Cowbirds. *Wilson Bull.* 91:464-466.
- 2) McLean, R.G. and T.W. Scott. 1979. Avian hosts of St. Louis encephalitis virus. *Proc. Eighth Bird Control Seminar*.pp. 143-155.
- 3) Scott, T.W. and J.M. Grumstrup-Scott. 1983. Why do Brown-headed Cowbirds perform the head-down display? *Auk.* 100:139-148.
- 4) Scott, T.W., R.G. McLean, D.B. Francy, C.J. Mitchell and C.S. Card. 1983. Experimental infections of birds with Turlock virus. *J. Wildl. Dis.* 19:82-85.
- 5) Scott, T.W., R.G. McLean, D.B. Francy and C.S. Card. 1983. A simulation model for the vector-host transmission system of a mosquito-borne avian virus, Turlock (Bunyaviridae). *J. Med. Entomol.* 20:625-640.
- 6) Scott, T.W., D.B. Francy, C.J. Mitchell, R.G. McLean and C.S. Card. 1983. Turlock virus infection and transmission by *Culex* mosquitoes (Diptera: Culicidae). *J. Med. Entomol.* 20: 682-684.
- 7) Scott, T.W., S.W. Hildreth, and B.J. Beaty. 1984. Development and distribution of eastern equine encephalitis virus in its enzootic mosquito vector, *Culiseta melanura*. *Am. J. Trop. Med. Hyg.* 33:300-310.
- 8) Scott, T.W. and T.G. Burrage. 1984. Rapid infection of salivary glands in *Culiseta melanura* with eastern equine encephalitis virus: an electron microscopy study. *Am. J. Trop. Med. Hyg.* 33:961-964.
- 9) Scott, T.W., G.S. Bowen and T.P. Monath. 1984. Effects of Fort Morgan virus, an alphavirus transmitted by swallow bed bugs, on the reproductive success of symbiotic cliff swallows and house sparrows in Morgan County, Colorado. *Am. J. Trop. Med. Hyg.* 33:981-991.
- 10) Scott, T.W., R.W. Miller and F. Knapp. 1986. Field evaluation of diflubenzuron boluses with and without flucythrinate ear tags for control of horn flies, *Haematobia irritans*, and face flies, *Musca autumnalis*, on pastured cattle. *J. Agr. Entomol.* 3:105-113.
- 11) Scott, T.W. and S.J. Brown. 1986. Differential attachment and bloodfeeding success by the tick *Dermacentor andersoni*. *Acrologia.* 27:241-245.
- 12) Scott, T.W. and J.G. Olson. 1986. Detection of eastern equine encephalomyelitis viral antigen in avian sera by enzyme immunoassay: a laboratory study. *Am. J. Trop. Med. Hyg.* 35:611-618.
- 13) Scott, T.W., J.G. Olson, L.H. Lorenz, T.H. Lewis, J. Carpenter, L. Lembeck, S. Joseph and B.B. Pagac. 1987. A prospective field evaluation of an enzyme immunoassay: Detection of eastern equine encephalomyelitis virus antigen in pools of *Culiseta melanura*. *J. Am. Mosq. Control Assoc.* 3:412-417.
- 14) Edman, J.D. and T.W. Scott. 1987. Host defensive behavior and the feeding success of

- mosquitoes. *Insect Science and its Application*.8:617-622.
- 15) Scott, T.W., J.G. Olson, B.P. All III and E.P.J. Gibbs. 1988. Detection of eastern equine encephalomyelitis virus antigen in equine brain tissue by enzyme immunoassay. *Am. J. Vet. Res.* 49:1716-1718.
 - 16) Oprandy, J.J., J.G. Olson and T.W. Scott. 1988. A rapid dot immunoassay for the detection of antibodies to eastern equine encephalomyelitis virus and St. Louis encephalitis virus in sentinel chickens. *Am. J. Trop. Med. Hyg.* 38:181-186.
 - 17) Weaver, S.C., T.W. Scott, L.H. Lorenz, K. Lerdthusnee and W. Romoser. 1988. Togavirus-associated pathology in the midgut of a natural mosquito vector. *Virology.* 62:2083-2090.
 - 18) Scott, T.W. 1988. Vertebrate host ecology. In: *Epidemiology of Arthropod-borne Viral Diseases*, T.P. Monath, ed. Boca Raton, Fla.: CRC Press. pp. 257-280.
 - 19) Scott, T.W. and J. Grumstrup-Scott. 1988. *The role of Vector-Host Interactions in Disease Transmission: Proceedings of a Symposium*. Misc. Pub. ESA.
 - 20) Scott, T.W., J.D. Edman, L.H. Lorenz and J.H. Hubbard. 1988. Effects of disease on vertebrates' ability to repel host-seeking mosquitoes. In: *The Role of Vector-Host Interactions in Disease Transmission: Proceedings of a Symposium*, T.W. Scott and J. Grumstrup-Scott, eds. Misc. Pub. ESA. pp. 9-17.
 - 21) Hubbard, J.L., T.W. Scott, L.H. Lorenz, D.M. Watts and L.A. Patrican. 1989. Effect of triturated *Culiseta melanura* (Diptera: Culicidae) on recovery of eastern equine encephalomyelitis virus. *J. Med. Entomol.*26:380-383.
 - 22) Romoser, W.S., J.D. Edman, L.H. Lorenz and T.W. Scott. 1989. Histological parameters useful in the identification of multiple blood meals in mosquitoes. *Am. J. Trop. Med. Hyg.*41:737-742.
 - 23) Scott T.W., and S.C. Weaver. 1989. Eastern equine encephalomyelitis virus: Epidemiology and evolution of mosquito transmission. *Adv. Virus Res.* 37:277-328.
 - 24) Weaver, S.C., T.W. Scott and L.H. Lorenz. 1990. Patterns of infection of *Culiseta melanura* (Diptera: Culicidae) by eastern equine encephalomyelitis virus. *J. Med. Entomol.*27:878-891.
 - 25) Scott, T.W., L.H. Lorenz and J.E. Edman. 1990. The effect of House Sparrow age and arbovirus infection on attraction of mosquitoes. *J. Med. Entomol.*27:856-863.
 - 26) Weaver, S.C. and T.W. Scott. 1990. Peritrophic membrane formation and cellular turnover in the midgut of *Culiseta melanura* (Diptera: Culicidae). *J. Med. Entomol.*27:864-873.
 - 27) Scott, T.W., L.H. Lorenz and S.C. Weaver. 1990. Susceptibility of *Aedes albopictus* to infection with eastern equine encephalomyelitis virus. *J. Am. Mosq. Control. Assoc.* 6:274-278.
 - 28) Lorenz, L.H., T.W. Scott, R.A. Anderson, J.D. Edman, W.J. Crans and S.D. Costa. 1990. The relationship of body size and parity status of field collected *Culiseta melanura* (Diptera: Culicidae). *J. Am. Mosq. Control Assoc.* 6:433-440.
 - 29) Anderson, R.A., J.D. Edman, and T.W. Scott. 1990. Rubidium and cesium as host blood-markers to study multiple blood feeding by mosquitoes (Diptera: Culicidae). *J. Med. Entomol.*27:999-1001.
 - 30) Weaver, S.C. and T.W. Scott. 1990. Ultrastructural changes in the abdominal midgut of the mosquito *Culiseta melanura* during the gonotrophic cycle. *Tissue and Cell.*22:895-909.
 - 31) Weaver, S.C., T.W. Scott, L.H. Lorenz and P.M. Repik. 1991. Detection of eastern equine

- encephalomyelitis virus deposition in *Culiseta melanura* following ingestion of radiolabeled virus in blood meals. *Am. J. Trop. Med. Hyg.*44:250-259.
- 32) Weaver, S.C., T.W. Scott and R. Rico-Hesse. 1991. Molecular evolution of eastern equine encephalomyelitis virus in North America. *J. Virology.*182:774-784.
 - 33) Olson, J.G., T.W. Scott, L.H. Lorenz, and J.L. Hubbard. 1991. Enzyme immunoassay for detection of eastern equine encephalomyelitis viral antibodies in sentinel chickens. *J. Clinical Micro.*29:1457-1461.
 - 34) Scott, T.W. and J.D. Edman. 1991. Effects of avian host age and arbovirus infection on mosquito attraction and blood-feeding success. In: *Bird-Parasite Interactions: Ecology, Behavior, and Evolution*, J.E. Loye and M. Zuk (eds.), Oxford University Press, New York, pp. 179-204.
 - 35) Amerasinghe, F.P., N. Breisch, A. Azad, W.F. Gimpel, M. Greco, K. Neidhart, B. Pagac, J. Piesman, J. Strandt, T.W. Scott and K. Sweeney. 1992. Distribution, density, and Lyme disease spirochete infection in *Ixodes damini* (Acari: Ixodidae) on white-tailed deer in Maryland. *J. Med. Entomol.*29:54-61.
 - 36) Edman, J.D., D. Strickman, P. Kittayapong, and T.W. Scott. 1992. Female *Aedes aegypti* (Diptera: Culicidae) in Thailand rarely feed on sugar. *J. Med. Entomol.*29:1035-1038.
 - 37) Weaver, S.C., L.H. Lorenz, and T.W. Scott. 1992. Pathologic changes in the midgut of *Culex tarsalis* following infection with western equine encephalomyelitis virus. *Am. J. Trop. Med. Hyg.*47:691-701.
 - 38) Carpenter, J.W., D.M. Watts, C.L. Crabbs, G.C. Clark, T.W. Scott, D. Dougherty, B.B. Pagac, J.M. Dorthy, J.G. Olson, and F.J. Dein. 1992. Prevention of eastern equine encephalitis virus in captive cranes. *Third Annual North American Crane Workshop. Proceedings: 1988 North American Crane Workshop.* Florida Fish & Fresh Water Fish Commission, Technical Report #12. pp 211-217.
 - 39) Van Handel, E., T.W. Scott, J.F. Day, and P. Reiter. 1992. Sugar feeding habits of *Aedes aegypti* females from San Juan, Puerto Rico. *J. Amer. Mosq. Control Assoc.* 8:311.
 - 40) Amerasinghe, F.P., N.L. Breisch, K. Neidhardt, B. Pagac, and T.W. Scott. 1992. Distribution of the winter tick, *Dermacentor albipictus* (Acari: Ixodidae), in Maryland. *Bull. Soc. Vector Ecol.* 17:109-113.
 - 41) Weaver, S.C., R. Rico-Hesse, and T.W. Scott. 1992. Genetic diversity and slow rates of evolution in New World alphaviruses. *Current Topics in Microbiol. and Immunol.*, Springer-Verlag. 176:99-117.
 - 42) Scott, T.W., G.G. Clark, L.H. Lorenz, P.H. Amerasinghe, P. Reiter and J.D. Edman. 1993. Detection of multiple blood-feeding by *Aedes aegypti* during a single gonotrophic cycle using a histological technique. *J. Med. Entomol.*30:94-99.
 - 43) Scott, T.W., E. Chow, D. Strickman, P. Kittayapong, R.A. Wirtz, and J.D. Edman. 1993. Blood feeding patterns of *Aedes aegypti* collected in a rural Thai village. *J. Med. Entomol.*30:922-927.
 - 44) Chow, E., R.A. Wirtz, and T.W. Scott. 1993. Identification of bloodmeals in *Aedes aegypti* by antibody sandwich enzyme-linked immunosorbent assay. *J. Amer. Mosq. Control Assoc.* 9:196-205.
 - 45) Weaver, S.C., L.A. Bellew, L. Gousset, P.M. Repik, and T.W. Scott. 1993. Diversity within natural populations of eastern equine encephalomyelitis virus. *Virology.*195:700-709.
 - 46) Weaver, S.C., L.H. Lorenz, and T.W. Scott. 1993. Distribution of western equine

- encephalomyelitis virus in the alimentary tract of *Culex tarsalis* (Diptera: Culicidae) following natural and artificial blood meals. *J. Med. Entomol.*30:391-397.
- 47) Weaver, S.C., A. Hagenbaugh, L.A. Bellew, S.V. Netesov, V.E. Volchkov, G.J. Chang, D.K. Clark, L. Gousset, T.W. Scott, D.W. Trent, and J.J. Holland. 1993. A comparison of the nucleotide sequences of eastern and western equine encephalomyelitis viruses with those of other alphaviruses and related RNA viruses. *Virology.*197:375-390.
 - 48) Amerasinghe, F.P., N.L. Breisch, K. Neidhardt, and T.W. Scott. 1993. Increasing density and *Borrelia burgdorferi* infection of deer-infesting *Ixodes damini* (Acari: Ixodidae) in Maryland. *J. Med. Entomol.*30:858-864.
 - 49) Amerasinghe, F.P. and T.W. Scott. 1993. *Borrelia burgdorferi* infection in *Ixodes scapularis* (Acari: Ixodidae) in Kent County, Maryland. *Bull. Soc. Vecto. Ecol.* 18:99-104.
 - 50) Weaver, S.C., A. Hagenbaugh, L.A. Bellew, L. Gousset, V. Mallampalli, J.J. Holland, and T.W. Scott. 1994. Evolution of alphaviruses in the eastern equine encephalomyelitis complex. *J. Virol.*68:158-169.
 - 51) Day, J.F., J.D. Edman, and T.W. Scott. 1994. Fitness of *Aedesaegypti* (Diptera: Culicidae) maintained on blood, with field observations from Thailand. *J. Med. Entomol.* 31:611-617.
 - 52) Van Handel, E., J.D. Edman, J.F. Day, T.W. Scott, G.G. Clark, P. Reiter, and H.C. Lynn. 1994. Plant sugar, glycogen, and lipid assay of *Aedes aegypti* collected in urban Puerto Rico and rural Florida. *J. Amer. Mosq. Control. Assoc.* 10:149-153.
 - 53) Glass, G.E., F.P. Amerasinghe, J.M. Morgan, and T.W. Scott. 1994. Predicting *Ixodes damini* abundance on white-tail deer using geographic information system. *J. Amer. Soc. Trop. Med. Hyg.*51:538-544.
 - 54) Scott, T.W., S.C. Weaver, and V.L. Mallampalli. 1994. Evolution of mosquito-borne viruses. in: *Evolutionary Biology of Viruses*, S.S. Morse, ed., Raven Press. pp. 293-324.
 - 55) Putnam, J.L. and T.W. Scott. 1995. The effect of multiple host contacts on the infectivity of dengue-2 virus infected *Aedes aegypti*. *J. Parasit.*81:170-174.
 - 56) Putnam, J.L. and T.W. Scott. 1995. Blood feeding behavior of dengue-2 virus infected *Aedes aegypti*. *Am. J. Trop. Med. Hyg.*52:225-227.
 - 57) Xue, R., J.D. Edman, and T.W. Scott. 1995. Effects of age and body size on blood meal size and multiple blood feeding in *Aedesaegypti* (Diptera: Culicidae). *J. Med. Entomol.*32:471-474.
 - 58) Putnam, J.L. and T.W. Scott. 1995. Evaluation of enemas for exposing *Aedes aegypti* to suspensions of dengue-2 virus. *J. Amer. Mosq. Control Assoc.* 11:369-371.
 - 59) Putnam, J.L., G.G. Clark, and T.W. Scott. 1995. Failure of immune sera to neutralize dengue-2 virus following intrathoracic inoculation into *Aedes aegypti*. *J. Amer. Mosq. Control Assoc.* 11:372-374.
 - 60) Day, J.F., L.M. Stark, J. Zhang, A.M. Ramsey, and T.W. Scott. 1996. Antibodies to arthropod-borne encephalitis viruses in small mammals from southern Florida: 1987 through 1993. *J. Wildlife Dis.*33:431-436.
 - 61) Lorenz, L.L. and T.W. Scott. 1996. Detection of multiple blood-feeding by *Culiseta melanura* using a histological technique. *J. Amer. Mosq. Control Assoc.*12:135-136.
 - 62) Monroy, A.M., T.W. Scott, and B.A. Webb. 1996. Evaluation of reverse transcription polymerase chain reaction for the detection of eastern equine encephalomyelitis virus during vector surveillance. *J. Med. Entomol.*33:449-457.
 - 63) Edman, J., Kittayapong, P., Linthicum, K., and Scott, T.W. 1997. Attractant resting boxes

- for rapid collection and surveillance of *Aedes aegypti* inside houses. *J. Amer. Mosq. Control. Assoc.* 13:24-27.
- 64) Vaidyanathan, R., Edman, J.D., Cooper, L.A., and Scott, T.W. 1997. Vector competence of mosquitoes (Diptera: Culicidae) from Massachusetts for a sympatric isolate of eastern equine encephalomyelitis virus. *J. Med. Entomol.* 34:346-352.
 - 65) Scott, T.W., Naksathit, A., Day, J.F., Kittayapong, P., and Edman, J.D. 1997. A fitness advantage for *Aedes aegypti* and the viruses it transmits when females feed only on human blood. *Amer. J. Trop. Med. Hyg.* 57:235-239.
 - 66) Naksathit, A.T. and Scott, T.W. 1998. The effect of female size on fecundity and survivorship of *Aedes aegypti* (L.) (Diptera: Culicidae) fed only human blood versus human blood plus sugar. *J. Amer. Mosq. Control Assoc.* 14:148-152.
 - 67) Edman, J.D., T.W. Scott, A. Costero, A.C. Morrison, L.C. Harrington, and G.G. Clark. 1998. *Aedes aegypti* (L.) (Diptera: Culicidae) movement influenced by availability of oviposition sites. *J. Med. Entomol. (Traub Memorial).* 35:578-583.
 - 68) Scott, T.W. and L.H. Lorenz. 1998. Reduction of *Culiseta melanura* fitness by eastern equine encephalomyelitis virus. *Am. J. Trop. Med. Hyg.* 59:341-346.
 - 69) Kittayapong, P., K.J. Linthicum, J.D. Edman, and T.W. Scott. 1997. Further evaluation of indoor resting boxes for *Aedes aegypti* surveillance. *Dengue Bulletin, WHO.* 21:77-83.
 - 70) Costero, A., Edman, J.D., Clark, G.G., and Scott, T.W. 1998. A life table study of *Aedes aegypti* (Diptera: Culicidae) in Puerto Rico fed only human blood versus blood plus sugar. *J. Med. Entomol.* 35:809-813.
 - 71) Costero, A., Attardo G.M., Scott, T.W., and Edman, J.D. 1998. An experimental study on the detection of fructose in *Aedes aegypti*. *J. Am. Mosq. Control Assoc.* 14:234-242.
 - 72) Naksathit, A.T., J.D. Edman, and Scott, T.W. 1999. Amounts of glycogen, lipid, and sugar in adult female *Aedes aegypti* (Diptera: Culicidae) fed sucrose. *J. Med. Entomol.* 36:8-12.
 - 73) Naksathit, A.T., J.D. Edman, and Scott, T.W. 1999. Utilization of human blood and sugar as nutrients by female *Aedes aegypti* (Diptera: Culicidae). *J. Med. Entomol.* 36:13-17.
 - 74) Naksathit, A.T., J.D. Edman, and Scott, T.W. 1999. Partitioning of glycogen, lipid, and sugar in ovaries and body remnants of female *Aedes aegypti* (Diptera: Culicidae) fed human blood. *J. Med. Entomol.* 36:18-22.
 - 75) Costero, A., Edman, J.D., Clark, G.G., Kittayapong, P., and Scott, T.W. 1999. Survival of starved *Aedes aegypti* (Diptera: Culicidae) in Puerto Rico and Thailand. *J. Med. Entomol.* 36:272-276.
 - 76) Eldridge, B.F., W.K. Reisen, and T.W. Scott. 1998. A model surveillance program for vector-borne diseases in California: 1997-1998. *Proc. Mosq. and Vector Control Assoc. Calif.* 66:48-55.
 - 77) Reisen, W.K., K. Boyce, R. Cummings, O. Delgado, A. Gutierrez, R.P. Myer, and T.W. Scott. 1999. Comparative effectiveness of three adult mosquito sampling methods in habitats representative of four different biomes in California. *J. Amer. Mosq. Control Assoc.* 15:21-31.
 - 78) Eldridge, B.F., T.W. Scott, J.F. Day, and W.J. Tabachnick. 2000. Arbovirus Diseases. In: *Medical Entomology*, B.F. Eldridge and J.D. Edman (eds.). pp. 414- 460.
 - 79) Morrison, A.C., A. Costero, J.D. Edman, and T.W. Scott. 1999. Increased fecundity of female *Aedes aegypti* (Diptera: Culicidae) fed human blood before release in a mark-

- recapture study in Puerto Rico. *J. Amer. Mosq. Control Assoc. (Barr Memorial)*. 15:98-104.
- 80) Eldridge, B.F., W.K. Reisen, T.W. Scott, C. Glaser, J. Wegbreit. 1999. A model surveillance program for vector-borne diseases in California: 1998-99. *Proc. Mosq. and Vector Control Assoc. Calif.* 67:22-26.
- 81) Desina, M.L., J.D. Edman, T.W. Scott, and J.M. Clark. 1999. *Aedes aegypti* (Diptera: Culicidae) age determination by cuticular hydrocarbon analysis of female legs. *J. Med. Entomol.* 36:824-830.
- 82) Desina, M.L., J.M., Clark, J.D. Edman, S.B. Symington, T.W. Scott, G.G. Clark, and T.M. Peters. 1999. Potential for aging of female *Aedes aegypti* (Diptera: Culicidae) by gas chromatographic analysis of cuticular hydrocarbons, including a field evaluation. *J. Med. Entomol.* 36:811-823.
- 83) Scott, T.W., A.C. Morrison, L.H. Lorenz, G.G. Clark, D. Strickman, P. Kittayapong, H. Zhou, and J.D. Edman. 2000. Longitudinal studies of *Aedes aegypti* (L.) (Diptera: Culicidae) in Thailand and Puerto Rico: Population dynamics. *J. Med. Entomol.* 37:77-88.
- 84) Scott, T.W., P.H. Amerasinghe, A.C. Morrison, L.H. Lorenz, G.G. Clark, D. Strickman, P. Kittayapong, and J.D. Edman. 2000. Longitudinal studies of *Aedes aegypti* (L.) (Diptera: Culicidae) in Thailand and Puerto Rico: Blood feeding frequency. *J. Med. Entomol.* 37:89-101.
- 85) Aultman, K.S., E.D. Walker, F. Gifford, D.W. Severson, C.B. Beard, and T.W. Scott. 2000. Managing risks of arthropod vector research. *Science*. 288:2321-2322.
- 86) Chow-Schaffer, E., W. Hawley, B. Sina, J. DeBenedictis, and T.W. Scott. 2000. Laboratory and field evaluation of PCR-based forensic DNA profiling for use in the identification of human blood meals in *Aedes aegypti* (Diptera: Culicidae). *J. Med. Entomol.* 37:492-502.
- 87) Reisen, W.K., J.O. Lundstrom, T.W. Scott, B.F. Eldridge, R.E. Chiles, R. Chusak, S.E. Wright, H. Lothrop, D. Gutierrez, C.A. Hartman, and V.M. Martinez. 2000. Patterns of avian seroprevalence to western equine encephalomyelitis and St. Louis encephalitis viruses in California, USA. *J. Med. Entomol.* 37:507-527.
- 88) Cooper, L.A., B.J. Sina, M.J. Turell, and T.W. Scott. 2000. Effects of initial dose on eastern equine encephalitis virus dependent mortality in intrathoracically inoculated *Culiseta melanura* mosquitoes (Diptera: Culicidae). *J. Med. Entomol.* 37:815-819.
- 89) Eldridge, B.F., A. Cornel, C. Glaser, C. Kohlmeier, W.K. Reisen, S. Schutz and T.W. Scott. 2000. A model surveillance program for Vectorborne Diseases in California, 1999-2000. *Proc. Mosq. and Vector Control Assoc. Calif.* 68: 23-31.
- 90) Cooper, L.A. and T.W. Scott. 2001. Differential evolution of eastern equine encephalitis virus populations in response to host cell type. *Genetics*. 157: 1403-1412.
- 91) Harrington, L.C., J.D. Edman, and T.W. Scott. 2001. Why do female *Aedes aegypti* (Diptera: Culicidae) feed preferentially and frequently on human blood? *J. Med. Entomol.* 38: 411-422.
- 92) Scott, T.W., S.A. Wright, B.F. Eldridge, and D.A. Brown. 2001. Cost-effectiveness of three arbovirus surveillance methods in northern California. *J. Amer. Mosq. Control. Assoc.* 7: 118-123.
- 93) Harrington, L.C., J.P. Buonaccorsi, J.D. Edman, A. Costero, G.G. Clark, P. Kittayapong, and T.W. Scott. 2001. Analysis of survival of young and old *Aedes aegypti* (Diptera : Culicidae) from Puerto Rico and Thailand. *J. Med. Entomol.* 38: 537-547.

- 94) Scott, T.W. 2001. Are bats really involved in dengue virus transmission? *J. Med. Entomol.* 38: 771-772.
- 95) Reisen, W.K., B.F. Eldridge, T.W. Scott, R. Takahashi, T. Dhapin, K. Lorenzen, J. DeBenedictis, K. Boyce, S. Wright, and R. Swartzell. 2002. Comparison of dry ice baited CDC and NJ light traps for measuring mosquito abundance. *J. Amer. Mosq. Control Assoc.* 18: 158-163.
- 96) Scott, T.W., W. Takken, B.G.J. Knols, and C. Boëte. 2002. The ecology of genetically modified mosquitoes. *Science.* 298: 117-119.
- 97) Alphey, L, C.B. Beard, ... T.W. Scott, et al. 2002. Malaria control with genetically manipulated insect vectors. *Science.* 298: 119-121.
- 98) Goddard, L.B., A.E. Roth, W.K. Reisen, and T.W. Scott. 2002. Vector competence of California mosquitoes for West Nile virus. *Emerging Infectious Diseases.* 8: 1385-1391.
- 99) Morrison, A.C., H. Astete, F. Chapilliquen, G. Ramirez, G. Diaz, A. Getis, K. Gray, and T. Scott. 2002. Evaluation of a sampling methodology for the rapid assessment of *Aedes aegypti* infestation levels in Iquitos, Peru. *Revista Peruana de Epidemiologia.* 10: 1-16.
- 100) Husted, S., A.B. Houchin, V.L. Kramer, R.E. Chiles, M. Jay, W.K. Reisen, B.F. Eldridge, C. Glaser, C. Cossen, E. Tu, W.C. Reeves, T.W. Scott, M. Castro, A. Cornelius, and M. Thompson. 2002. Surveillance for Mosquito-Borne Encephalitis Virus Activity and Human Disease in California, 2001. *Proc. Mosq. Vector Control Assoc. Calif.* 70: 44-52.
- 101) Cornel, A.J., R. McAbee, J. Rasgon, M. Stanich, T.W. Scott, and M. Coetzee. 2003. Differences in extent of genetic introgression between sympatric *Cx. pipiens* and *Cx. quinquefasciatus* in California and South Africa. *J. Med. Entomol.* 40: 36-51.
- 102) Goddard, L.B. and T.W. Scott. 2003. Studying the threat of West Nile Virus. *California Waterfowl.* 30: 14-16.
- 103) Scott, T.W. 2003. Dengue. *Encyclopedia of Insects.* V.H. Resh, R. Carde, and C.R. Crumly eds. Academic Press. pp. 295-297.
- 104) Rasgon, J.L., L.M. Styer, and T.W. Scott. 2003. *Wolbachia*-induced mortality can modulate pathogen transmission by vector arthropods. *J. Med. Entomol.* 40: 125-132.
- 105) DeBenedictis, J., E. Chow-Schaffer, A. Costero, G.G. Clark, J.D. Edman, and T.W. Scott. 2003. Identification of the people from whom engorged *Aedes aegypti* took blood meals in Florida, Puerto Rico using PCR-based DNA profiling. *Am. J. Trop. Med. Hyg.* 68: 447-452.
- 106) Takken W. and T.W. Scott (eds.) 2003. *Ecological aspects for application of genetically modified mosquitoes.* FRONTIS, Dordrecht, The Netherlands. 242 pgs.
- 107) Scott, T.W. and A.C. Morrison. 2003. *Aedes aegypti* density and the risk of dengue virus transmission. In: *Ecological aspects for application of genetically modified mosquitoes.* eds. W. Takken and T.W. Scott. FRONTIS, Dordrecht, The Netherlands. pp: 187-206.
- 108) Knols, B.G.J. and T.W. Scott. 2003. Discussion – Ecological challenges concerning the use of genetically-modified mosquitoes for disease control: synthesis and future perspectives. In: *Ecological aspects for application of genetically modified mosquitoes.* eds. W. Takken and T.W. Scott. FRONTIS, Dordrecht, The Netherlands. pp. 235-242.
- 109) Goddard, L.B., A.E. Roth, W.K. Reisen, and T.W. Scott. 2003. Extrinsic incubation period of West Nile virus in four California *Culex* (Diptera: Culicidae) species. *Proc. Mosq. Vector Control Assoc.* 71: 70-75.
- 110) Getis, A., A.C. Morrison, K. Gray, and T.W. Scott. 2003. Characteristics of the spatial

- pattern of the dengue vector, *Aedes aegypti*, in Iquitos, Peru. *Am. J. Trop. Med. Hyg.* 69: 494-505.
- 111) Rasgon, J.L. and T.W. Scott. 2003. *Wolbachia* and cytoplasmic incompatibility in the California *Culex pipiens* mosquito species complex: Parameter estimates and infection dynamics in natural populations. *Genetics*. 165: 2029-2038.
 - 112) Goddard, L.B., A.E. Roth, W.K. Reisen, and T.W. Scott. 2003. Vertical transmission of West Nile virus by three California *Culex* (Diptera: Culicidae) species. *J. Med. Entomol.* 40: 743-746.
 - 113) Benedict, M.Q., W.J. Tabachnick, S. Higgs, A.F. Azad, C.B. Beard, J.C. Beier, A.M. Handler, A.A. James, C.C. Lord, R.S. Nasci, K.E. Olson, J.Y. Richmond, T.W. Scott, D.W. Severson, E.D. Walker, and D.M. Wesson. 2003. Arthropod Containment Guidelines. *Vector-Borne Zoonotic Dis.* 3: 57-98.
 - 114) Husted, S., V.L. Kramer, A.B. Houchin, R.E. Chiles, C. Glaser, M. Jay-Russell, W.K. Reisen, B.F. Eldridge, C. Cossen, E.H. Tu, T.W. Scott, K. McCaughey, W.C. Reeves, M. Castro, A. Hom, and L. Hui. 2003. Surveillance for mosquito-borne encephalitis virus activity and human disease in California, 2002. *Proc. Mosq. Vector Control Assoc. Calif.* 71: 28-37.
 - 115) Nelson, D.M., I.A. Gardner, R.F. Chiles, U.B. Balasuriya, B.F. Eldridge, T.W. Scott, W.K. Reisen, and N.J. Maclachland. 2004. Prevalence of antibodies against Saint Louis encephalitis and Jamestown Canyon viruses in California horses. *Comp. Immunol. Microbio. Infect. Dis.* 27: 209-215.
 - 116) Rasgon, J.L. and T.W. Scott. 2004. An initial survey for *Wolbachia* (Rickettsiales: Rickettsiaceae) infection in selected California mosquitoes (Diptera: Culicidae). *J. Med. Entomol.* 41: 255-257.
 - 117) Gerade, B.B., S.H. Lee, T.W. Scott, J.D. Edman, L.C. Harrington, S. Kitthawee, J.W. Jones, and J.M. Clark. 2004. Field validation of *Aedes aegypti* (Diptera: Culicidae) age estimation by analysis of cuticular hydrocarbons. *J. Med. Entomol.* 41: 231-238.
 - 118) Rasgon, J.L. and T.W. Scott. 2004. Impact of population age structure on *Wolbachia* transgene driver efficacy: Ecological complex factors and release of genetically-modified mosquitoes. *Insect Biochem. Molec. Biol.* 34: 707-713.
 - 119) Chiles, R.E., E.N. Green, Y. Fang, L. Goddard, A. Roth, W.K. Reisen, and T.W. Scott. 2004. Blinded laboratory comparison of the *in situ* enzyme immunoassay, the VecTest® wicking assay and an RT-PCR assay to detect mosquitoes infected with West Nile and St. Louis encephalitis viruses. *J. Med. Entomol.* 41: 539-544.
 - 120) Rasgon, J.L. and T.W. Scott. 2004. *Crimson*: A novel sex-linked eye color mutant of *Culex pipiens*. *J. Med. Entomol.* 41: 385-391.
 - 121) Morrison, A.C., H. Estete, F. Chapilliquen, G. Ramirez Prada, G. Diaz, A. Getis, K. Gray, and T.W. Scott. 2004. Evaluation of a sampling methodology for rapid assessment of *Aedes aegypti* (Diptera: Culicidae) infestation levels in Iquitos, Peru. *J. Med. Entomol.* 41: 502-510.
 - 122) Schneider, J.R., A.C. Morrison, H. Astete, T.W. Scott, and M.L. Wilson. 2004. Adult size and distribution of *Aedes aegypti* (Diptera: Culicidae) associated with larval habitats in Iquitos, Peru. *J. Med. Entomol.* 41: 534-542.
 - 123) Morrison, A.C., K. Gray, A. Getis, H. Estete, M. Sihuincha, D. Focks, D. Watts, and T.W. Scott. 2004. Temporal and geographic patterns of *Aedes aegypti* (Diptera: Culicidae)

- production in Iquitos, Peru. *J. Med. Entomol.* 41: 1123-1142.
- 124) Rasgon, J.L. and T.W. Scott. 2004. Phylogenetic Characterization of *Wolbachia* Symbionts Infecting *Cimex lectularius* L. and *Oeciacus vicarius* Horvath (Hemiptera: Cimicidae). *J. Med. Entomol.* 41: 1175-1178
- 125) Scott, T.W. 2005. Containment of arthropod disease vectors. *ILAR Journal.* 46: 53-61.
- 126) Harrington, L.C., T.W. Scott, K. Lerdthusnee, R.C. Coleman, A. Costero, G.G. Clark, J.J. Jones, S. Kitthawee, P. Kittayapong, R. Sithiprasasna, and J.D. Edman. 2005. Dispersal of the dengue vector *Aedes aegypti* within and between rural communities. *Am. J. Trop. Med. Hyg.* 72: 209-220.
- 127) Hanley, K.A., L.B. Goddard, L.E. Gilmore, T.W. Scott, J. Speicher, B.R. Murphy, and A.G. Pletnev. 2005. West Nile/Dengue type 4 chimeras show reduced infectivity for virus-specific, but not generalist, mosquito vectors. *Vector-Borne Zoonotic Dis.* 5: 1-10.
- 128) Bosio, C.F., L.C. Harrington, J. Jones, D.E. Norris, and T.W. Scott. 2005. Genetic structure of *Aedes aegypti* populations in Thailand using mtDNA. *Am. J. Trop. Med. Hyg.* 72: 434-442.
- 129) Scott, T.W. 2005. Current thoughts about the integration of field and laboratory sciences in genetic control of disease vectors. In: *Strategic Plan to Bridge Laboratory and Field Research in Disease Vector Control.* eds. B.G.J. Knols and C. Louis, FRONTIS, Dordrecht, The Netherlands. pp. 67-76.
- 130) Scott, T.W., J.L. Rasgon, W.C. Black IV, and F. Gould. 2005. Fitness studies: Developing a consensus methodology. In: *Strategic Plan to Bridge Laboratory and Field Research in Disease Vector Control.* eds. B.G.J. Knols and C. Louis, FRONTIS, Dordrecht, The Netherlands. pp. 171-181.
- 131) Koenraadt, C.M.J., W. Tuiten, R. Sithiprasasna, U. Kijchalao, J.W. Jones, and T.W. Scott. 2006. Dengue knowledge and practice and their impact on *Aedes aegypti* populations in Kamphaeng Phet, Thailand. *Am. J. Trop. Med. Hyg.* 74: 692-700.
- 132) Morrison, A.C., M. Sihuincha, J.D. Stancil, E. Zamora, H. Astete, J.G. Olson, C. Vidal-Ore, and T.W. Scott. 2006. *Aedes aegypti* (Diptera: Culicidae) production from non-residential sites in the Amazonian city, Iquitos, Peru. *Ann. Trop. Med. Parasit.* 100: S73-S86.
- 133) Rasgon, J.L., A.J. Cornel, and T.W. Scott. 2006. Evolutionary history of *Wolbachia* invasion revealed through mitochondrial DNA sequence analysis in the mosquito *Culex pipiens*. *Proc. R. Soc. Lond. B.* 273: 1603-1611.
- 134) Hemingway, J., B.J. Beaty, M. Rowland, T.W. Scott, and B.L. Sharp. 2006. The Innovative Vector Control Consortium: Improved control of mosquito-borne diseases in and around the home. *Trends in Parasitology.* 22: 308-312.
- 135) Vaidyanathan, R. and T.W. Scott. 2006. Apoptosis in mosquito midgut epithelia associated with West Nile virus infection. *Apoptosis.* 11(9): 1643-1651.
- 136) Scott, T.W., A.K. Githeko, A. Fleisher, L.C. Harrington, and G. Yan. 2006. DNA profiling of human blood in anophelines in Western Kenya. *Am. J. Trop. Med. Hyg.* 75: 231-237.
- 137) Vaidyanathan, R. and T.W. Scott. 2006. Seasonal variation in susceptibility to West Nile virus infection in *Culex pipiens pipiens* (L.) (Diptera: Culicidae) from San Joaquin County, California. *J. Vector Ecol.* 31: 423-425.
- 138) Morrison, A.C., H. Astete, T. Scott, P. Boldenow, M. Sihuincha, E. Zamora, J. Stancil, and J. Olson. 2006. Peru, In: Multicountry study of *Aedes aegypti* pupal productivity survey methodology: Findings and recommendations, eds: Dana A. Focks and Neal Alexander,

- World Health Organization, Geneva, Switzerland. pp: 14-15.
- 139) Koenraadt, C.J.M., J. Aldstadt, U. Kijchalao, A. Kengluetcha, J. W. Jones, and T.W. Scott. 2007. Koenraadt, C.J.M., J. Aldstadt, U. Kijchalao, A. Kengluetcha, J. W. Jones, and T.W. Scott. 2007. Spatial and temporal patterns in the recovery of *Aedes aegypti* (Diptera: Culicidae) populations after insecticide treatment. *J. Med. Entomol.* 44: 65-71.
 - 140) Styer, L.M., J.R. Carey, J-L. Wang, and T.W. Scott. 2007. Mosquitoes do senesce: Departure from the paradigm of constant mortality. *Am. J. Trop. Med. Hyg.* 76: 111-117.
 - 141) Slotman, M.A., N.B. Kelly, L.C. Harrington, S. Kitthawee, J.W. Jones, T.W. Scott, A. Caccone, and J.R. Powell. 2007. Polymorphic microsatellite markers for studies of *Aedes aegypti* (Diptera: Culicidae), the vector of dengue and yellow fever. *Molec. Ecol. Notes.* 7:168–171.
 - 142) Styer, L.M., S.L. Minnick, A.K. Sun, and T.W. Scott. 2007. Mortality and reproductive dynamics of *Aedes aegypti* fed human blood. *Vector-borne and Zoonotic Dis.* 7: 86-98.
 - 143) Vaidyanathan, R. and T.W. Scott. 2007. Geographic variation in vector competence for West Nile virus in the *Culex pipiens*(Diptera: Culicidae) complex in California. *Vector-borne and Zoonotic Dis.* 7: 193-198.
 - 144) Koenraadt, C.J.M., J.W. Jones, R. Sithiprasasna, and T.W. Scott. 2007. Standardizing container classification for immature *Aedes aegypti* surveillance in Kamphaeng Phet, Thailand. *J. Med. Entomol.* 44: 938-944.
 - 145) Scott, T.W., L.C. Harrington, B.G.J. Knols, and W. Takken. 2008. Applications of mosquito ecology for successful insect transgenesis-based disease prevention programs. In: *Transgenesis and the Management of Vector-Borne Disease*. Ed: Serap Aksoy. Landes Bioscience and Springer Science+Business Media. pp: 151-168.
<http://eurekah.com/chapter/3650>
 - 146) Nielson, C.F., W.K. Reisen M.V. Armijos, and T.W. Scott. 2008. High subclinical West Nile virus incidence among non-vaccinated horses in northern California associated with low vector abundance and infection. *Am. J. Trop. Med. Hyg.* 78: 45-52
 - 147) Nielson, C.F., M.V. Armijos, S. Wheeler, T.E. Carpenter, W. Boyce, K. Kelly, D. Brown, T.W. Scott, and W.K. Reisen. 2008. Risk factors associated with human infection during the 2006 West Nile virus outbreak in Davis, a residential community in northern California. *J. Amer. Soc. Trop. Med. Hyg.* 78: 53-62.
 - 148) Harrington, L.C., F. Vermeulen, J.J. Jones, S. Kitthawee, R. Sithiprasasna, J.D. Edman, and T.W. Scott. 2008. Age-dependent survival of the dengue vector, *Aedes aegypti* (Diptera: Culicidae), demonstrated by simultaneous release-recapture of different age cohorts. *J. Med. Entomol.* 45: 307-313.
 - 149) Morrison, A.C., E. Zielinski-Gutierrez, T.W. Scott, and R. Rosenberg. 2008. Defining the challenges and proposing new solutions for *Aedes aegypti*-borne disease prevention. *PLoS Medicine.* 5: 362-366.
 - 150) Scott, T.W. and A.C. Morrison. 2008. Longitudinal field studies will guide a paradigm shift in dengue prevention. In: *Vector-borne Diseases: Understanding the Environmental, Human Health, and Ecological Connections*. Washington, DC: The National Academies Press. pp. 132-149. http://www.nap.edu/catalog.php?record_id=11950
 - 151) Benedict, M., P. D'Abbs, S. Dobson, M. Gottlieb, L. Harrington, S. Higgs, A. James, S. James, B. Knols, J. Lavery, S. O'Neill, T. Scott, W. Takken, and Y. Toure. 2008. Guidance for Contained Field Trials of Vector Mosquitoes Engineered to Contain a Gene

- Drive System: Recommendations of a Scientific Working Group. *Vector-borne and Zoonotic Dis.* 8: 127-166.
- 152) Harrington, L.C., A. Ponlawat, J.D. Edman, T.W. Scott, and F. Vermeulen. 2008. Influence of container size, location and time of day on oviposition patterns of the dengue vector, *Aedes aegypti*, in Thailand. *Vector-borne and Zoonotic Dis.* 8: 1-9.
- 153) Faccinelli, L., C.J.M. Koenraadt, C. Fanello, U. Kijchalao, L. Valerio, J.W. Jones, T.W. Scott, and A. della Torre. 2008. Evaluation of a novel sticky trap collecting *Aedes* (*Stegomyia*) adults in a dengue-endemic area in Thailand. *Am. J. Trop. Med. Hyg.* 78: 904-909.
- 154) Koenraadt, C.J.M., J. Alsadt, U. Kijchalao, R. Sithiprasasna, A. Getis, J.W. Jones, and T.W. Scott. 2008. Spatial and temporal patterns in pupal and adult production of the dengue vector *Aedes aegypti* L. in Kamphaeng Phet, Thailand. *Am. J. Trop. Med. Hyg.* 79: 230-238.
- 155) Lavery, J.V., L.C. Harrington, and T.W. Scott. 2008. Ethical, social and cultural considerations for site selection for research with genetically modified mosquitoes. *Am. J. Trop. Med. Hyg.* 79: 312-318.
- 156) Wong, J., F. Tripet, J.L. Rasgon, G.C. Lamzaro, and T.W. Scott. 2008. SSCP analysis of scnDNA for genetic profiling of *Aedes aegypti*. *Am. J. Trop. Med. Hyg.*, 79: 511–517.
- 157) Mammen, M.P., Jr, C. Pimgate, C.J.M. Koenraadt, A.L. Rothman, J. Aldstadt, A. Nisalak, R.G. Jarman, J.W. Jones, A. Srikiatkachorn, C.A. Ypil-Butac, A. Getis, S. Thammapalo, A.C. Morrison, D.H. Libraty, S. Green, and T.W. Scott. 2008. Spatial and temporal focality of dengue virus transmission in Thai villages revealed by cluster investigations. *PLoS Medicine.* 5: e205.
- 158) Vaidyanathan, R., A.E. Fleisher, S.L. Minnick, K.A. Simmons, and T.W. Scott. 2008. Nutritional stress affects mosquito survival and vector competence for West Nile virus. *Vector-borne and Zoonotic Dis.* 8: 727-732.
- 159) Lambrechts, L. and T.W. Scott. 2009. Mode of transmission and the evolution of arbovirus virulence in mosquito vectors. *Proc. R. Soc. Lond. B.* 276: 1369-1378.
- 160) Rocha, C., A.C. Morrison, B.M. Forshey, P.J. Blair, J.G. Olson, J.D. Stancil, M. Sihuinchu, T.W. Scott, and T.J. Kochel. 2009. Comparison of two active surveillance programs for the detection of clinical dengue cases in Iquitos, Peru. *Am. J. Trop. Med.*, 80: 656–660.
- 161) Carey, J.R., T.W. Scott, F.G. Zalom, B.D. Hammock, and W.S. Leal. 2009. Rethinking Departments of Entomology. *American Entomologist.* 55: 88-90
- 162) Atieli, H., D. Menya, A. Githeko, and T. Scott. 2009. House design modifications reduce indoor resting malaria vector densities in rice irrigation scheme area in western Kenya. *Malaria Journal.* 8:108
- 163) Stoddard, S.T., A.C. Morrison, G.M. Vasquez-Prokopec, U. Kitron, V. Paz-Soldan, B.M. Forshey, T.J. Kochel, J. Elder, and T.W. Scott. 2009. The role of human movement in the transmission of vector-borne pathogens. *PLoS Neglected Tropical Diseases.* 3:e481.
- 164) Lambrechts, L., C. Chevillon, R.G. Albright, B. Thaisomboonsuk, J.H. Richardson, R.G. Jarman, and T.W. Scott. 2009. Genetic specificity and potential for local adaptation between dengue viruses and mosquito vectors. *BMC Evolutionary Biology.* 9:160.
- 165) Scott, T.W. Dengue. 2009. *Encyclopedia of Insects.* V.H. Resh and R.T. Carde, eds. Academic Press. pp. 257-259.
- 166) Magori, K., M. Legros, M.E. Puente, D.A. Focks, T.W. Scott, A.L. Lloyd, and F. Gould.

2009. Skeeter Buster: A stochastic, spatially-explicit modeling tool for studying *Aedes aegypti* population replacement and population suppression strategies. *PLoS Neglected Tropical Diseases*. 3: e508.
- 167) Eisen, L., B. J. Beaty, A.C. Morrison, and T.W. Scott. 2009. Proactive vector control strategies and improved monitoring and evaluation practices for dengue prevention. *J. Med. Entomol.* 46: 1245-1255.
- 168) Vazquez-Prokopec, G.M., S.T. Stoddard, V. Paz-Soldan, A.C. Morrison, J.P. Elder, T.W. Scott, and U. Kitron. 2009. Usefulness of commercially available GPS data-loggers for tracking human movement and exposure to dengue virus. *Internat. J. Hlth. Geographics*. 8: 68.
- 169) Knox T.B and T.W. Scott. 2009. Vector Control for Prevention of Dengue: Current Status and Future Strategies. eds. J. Clark, J. Bloomquist and H. Kawada In: *Advances in Human Vector Control*, American Chemical Society Books. pp. 39-57.
- 170) Scott, T.W. and A.C. Morrison. 2010. Vector dynamics and transmission of dengue virus: Implications for dengue surveillance and prevention strategies. In: *Dengue Virus*. A.L. Rothman, ed., *Current Topics in Microbiology and Immunology 338*, Springer-Verlag Berlin Heidelberg. pp: 115-128.
- 171) Luckhart, S., S.W. Lindsay, A.A. James, and T.W. Scott. 2010. Reframing critical needs in vector biology and management of vector-borne disease. *PLoS Neglected Tropical Diseases*. 4: e566.
- 172) Paz-Soldan, V.A., S.T. Stoddard, G. Vasquez-Prokopec, A.C. Morrison, J.P. Elder, U. Kitron, T.J. Kochel, B. Forshey, T.W. Scott. 2010. Assessing and maximizing the acceptability of GPS device use for studying the role of human movement in dengue virus transmission in Iquitos, Peru. *Am. J. Trop. Med. Hyg.* 82: 723-730.
- 173) Lambrechts, L., T.W. Scott, and D.J. Gubler. 2010. Consequences of the expanding global distribution of *Aedes albopictus* for dengue virus transmission. *PLoS Neglected Tropical Diseases*. 4: e646.
- 174) Lavery, J.V., P.O. Tinadana, T.W. Scott, L.C. Harrington, J.M. Ramsey-Willoquet, Claudia Ytuarte-Nuñez, and A.A. James. 2010. Towards a framework for community engagement in global health research. *Trends in Parasitology*. 26: 279-283.
- 175) Morrison, A.C., S.L. Minnick, C. Rocha, B.M. Forshey, S. Stoddard, A. Getis, D.A. Focks, K.L. Russell, J.G. Olson, P.J. Blair, D.M. Watts, M. Sihuincha, T.W. Scott, and T.J. Kochel. 2010. Epidemiology of dengue virus in Iquitos, Peru 1999 to 2005: Interepidemic and epidemic patterns of transmission. *PLoS Neglected Tropical Diseases*. 4: e670.
- 176) Forshey, B.M., V. Alberto Laguna-Torres, S. Vilcarromero, I. Bazan, C. Rocha, A.C. Morrison, S.T. Stoddard, J. Gomez, T.W. Scott, and T.J. Kochel. 2010. Epidemiology of influenza-like illness in the Amazon Basin of Peru, 2008-2009. *Influenza and Other Respiratory Viruses*. 4: 235-243.
- 177) Wong, J., H. Astete, A.C. Morrison, and T.W. Scott. 2011. Sampling considerations for designing *Aedes aegypti* (Diptera: Culicidae) oviposition studies in Iquitos, Peru: Substrate preference, diurnal periodicity, and gonotrophic cycle length, *J. Med. Entomol.* 48: 45-52.
- 178) Aldstadt, J., C.J.M. Koenraadt, T. Fansiri, U. Kijchalao, J. Richardson, J.W. Jones, and T.W. Scott. 2011. Ecological modeling of *Aedes aegypti* (L.) pupal production in rural Kamphaeng Phet, Thailand. *PLoS Neglected Tropical Diseases*. 5: e940.

- 179) Wong, J., S.T. Stoddard, H. Astete, A.C. Morrison, and T.W. Scott. 2011. Oviposition site selection by the dengue vector *Aedes aegypti* and implications for dengue control. *PLoS Neglected Tropical Diseases*. 5: e1015.
- 180) Lambrechts, L., K.P. Paaijmans, L.D. Kramer, M.B. Thomas, and T.W. Scott. 2011. Impact of daily temperature fluctuations on dengue virus transmission by *Aedes aegypti*. *Proc. Natl. Acad. Sci. USA*. 108: 7460-7465.
- 181) Montgomery, M.J., P. Macedo, D.A. Brown, T. Thiemann, and T.W. Scott. 2011. Blood feeding patterns of the *Culex pipiens* complex in Sacramento and Yolo Counties, California. *J. Med. Entomol.* 48: 398-404.
- 182) Legros, M., K. Magori, A. Morrison, C. Xu, T.W. Scott, A.L. Lloyd, and F. Gould. 2011. Evaluation of location-specific predictions by a detailed simulation model of *Aedes aegypti* populations. *PLoS ONE*. 6: e22701.
- 183) Facchinelli, L., L. Valerio, J.G. Bond, M.R. Wise de Valdez, L.C. Harrington, J.M. Ramsey, M. Casas-Martínez and, T.W. Scott. 2011. Development of a semi-field system for contained field trials with *Aedes aegypti* in Southern Mexico. *Am. J. Trop. Med. Hyg.* 85: 248-256.
- 184) Ellis, A.M., A. Garcia, D.A. Focks, A.C. Morrison, and T.W. Scott. 2011. Parameterization and sensitivity analysis of a complex simulation model for mosquito population dynamics, dengue transmission, and their control. *Am. J. Trop. Med. Hyg.* 85: 257-264.
- 185) Ototo, E.N., A.K. Githeko, C.L. Wanjala, and T.W. Scott. 2011. Surveillance of vector populations and malaria transmission during the 2009/10 El Niño event in the western Kenya highlands: Opportunities for early detection of malaria hyper-transmission. *Parasit. Vectors*. 4: 144.
- 186) Lambrechts, L., Fansiri, T., Pongsiri, A., Thaisomboonsuk, B., Klungthong, C., Richardson, J.H., Ponlawat, A., Jarman, R.J., and Scott T.W. 2011. Dengue-1 virus clade replacement in Thailand associated with enhanced mosquito transmission. *J. Virology*. 86: 1853-1861.
- 187) Scott, T.W. and W. Takken. 2012. Feeding strategies of anthropophilic mosquitoes result in increased risk of pathogen transmission. *Trends Parasit.* 28: 114-121.
- 188) Chaves, L.F., A.C. Morrison, U.D. Kitron, and T.W. Scott. 2012. Non-linear impacts of climatic variability on the density-dependent regulation of an insect vector of disease. *Global Change Bio.* 18: 457-468.
- 189) Wong, J., Y.Y. Chu, S.T. Stoddard, Y. Lee, A.C. Morrison, and T.W. Scott. 2012. Microsatellite-based parentage analysis of *Aedes aegypti* (Diptera: Culicidae) using non-lethal DNA sampling. *J. Med. Entomol.* 49: 85-93.
- 190) Brasier, A.R., H. Ju, J. Garcia, H.M. Spratt, S.S. Victor, B.M. Forshey, E.S. Halsey, G. Comach, G. Sierra, P.J. Blair, C. Rocha, A.C. Morrison, T.W. Scott, I. Bazan, T.J. Kochel, and the Venezuelan Dengue Fever Working Group. 2012. A three-component biomarker panel for prediction of dengue hemorrhagic fever. *Am. J. Trop. Med. Hyg.* 86: 341-348.
- 191) Liebman, K.A., S.T. Stoddard, A.C. Morrison, C. Rocha, S. Minnick, M. Sihuincha, K.L. Russell, J.G. Olson, P.J. Blair, D.M. Watts, T. Kochel, and T.W. Scott. 2012. Spatial dimensions of dengue virus transmission across interepidemic and epidemic periods in Iquitos, Peru (1999 – 2003). *PLoS Neglected Tropical Diseases*. 6: e1472.
- 192) Brasier, A.R., J. Garcia, J.E. Wiktorowicz, H.M. Spratt, G. Comach, H. Ju, A. Recinos III, K. Soman, B.M. Forshey, E.S. Halsey, P.J. Blair, C. Rocha, I. Bazan, S.S. Victor, Z. Wu,

- S. Stafford, D. Watts, A.C. Morrison, T.W. Scott, T.J. Kochel, and the Venezuelan Dengue Fever Working Group. 2012. Discovery proteomics and nonparametric modeling pipeline in the development of a candidate biomarker panel for dengue hemorrhagic fever. *Clinical Translational Sci. J.* 5: 8-20.
- 193) Helinski, M.E.H., L. Valerio, L. Facchinelli, T.W. Scott, J. Ramsey, and L.C. Harrington. 2012. Evidence of polyandry in a natural population of *Aedes aegypti* under semi-field conditions. *Am. J. Trop. Med. Hyg.* 86: 635-641.
- 194) Valerio L., L. Facchinelli, J.M. Ramsey, and T.W. Scott. 2012. Dispersal of male *Aedes aegypti* in a southern Mexico coastal village. *Am. J. Trop. Med. Hyg.* 86: 665-676.
- 195) Smith, D.L., K.E. Battle, S.I. Hay, C. Barker, T.W. Scott, and F.E. McKenzie. 2012. Ross, Macdonald and a theory for the dynamics and control of mosquito-transmitted pathogens. *PLoS Pathogens.* 8: e1002588.
- 196) Wong, J., A.C. Morrison, S.T. Stoddard, H. Astete, Y.Y. Chu, I. Baseer, and T.W. Scott. 2012. Linking oviposition site choice to offspring fitness in *Aedes aegypti*: Consequences for targeted larval control of dengue vectors. *PLoS Neglected Tropical Diseases.* 6: e1632.
- 197) Yoon, I-K., A.L. Rothman, D. Tannitisupawong, A. Srikiatkachorn, R.G. Jarman, J. Aldstadt, A. Nisalak, M.P. Mammen, S. Thammapalo, S. Green, D.H. Libraty, R.V. Gibbons, A. Getis, T. Endy, J.W. Jones, C.J.M. Koenraad, A.C. Morrison, T. Fansiri, C. Pimgate, and T.W. Scott. 2012. Under-recognized mildly symptomatic viremic dengue virus infections in rural Thai schools and villages. *J. Infect. Dis.* 206: 389-398.
- 198) Yoon, I-K., A. Getis, J. Aldstadt, A.L. Rothman, D. Tannitisupawong, C.J.M. Koenraad, T. Fansiri, J.W. Jones, A.C. Morrison, R.G. Jarman, A. Nisalak, M.P. Mammen Jr., S. Thammapalo, A. Srikiatkachorn, S. Green, D.H. Libraty, R.V. Gibbons, T. Endy, C. Pimgate, and T.W. Scott. 2012. Fine scale spatiotemporal clustering of dengue virus transmission in children and *Aedes aegypti* in rural Thai villages. *PLoS Neglected Tropical Diseases.* 6: e1730.
- 199) Brady, O.J., P.W. Gething, S. Bhatt, J.P. Messina, C.L. Moyes, A. Farlow, T.W. Scott, and S.I. Hay. 2012. Refining the global spatial limits of dengue transmission in 2012 by evidence-based consensus. *PLoS Neglected Tropical Diseases.* 6: e1760.

Papers in press:

- Aldstadt, J., I-K. Yoon, D. Tannitisupawong, R.G. Jarman, S.J. Thomas, R.V. Gibbons, A. Uppapong, S. Iamsirithaworn, A.L. Rothman, T.W. Scott, and T. Endy. Space-time analysis of hospitalized dengue patients in rural Thailand reveals important temporal intervals in the pattern of dengue virus transmission. *Trop. Med. Internat. Hlth.*